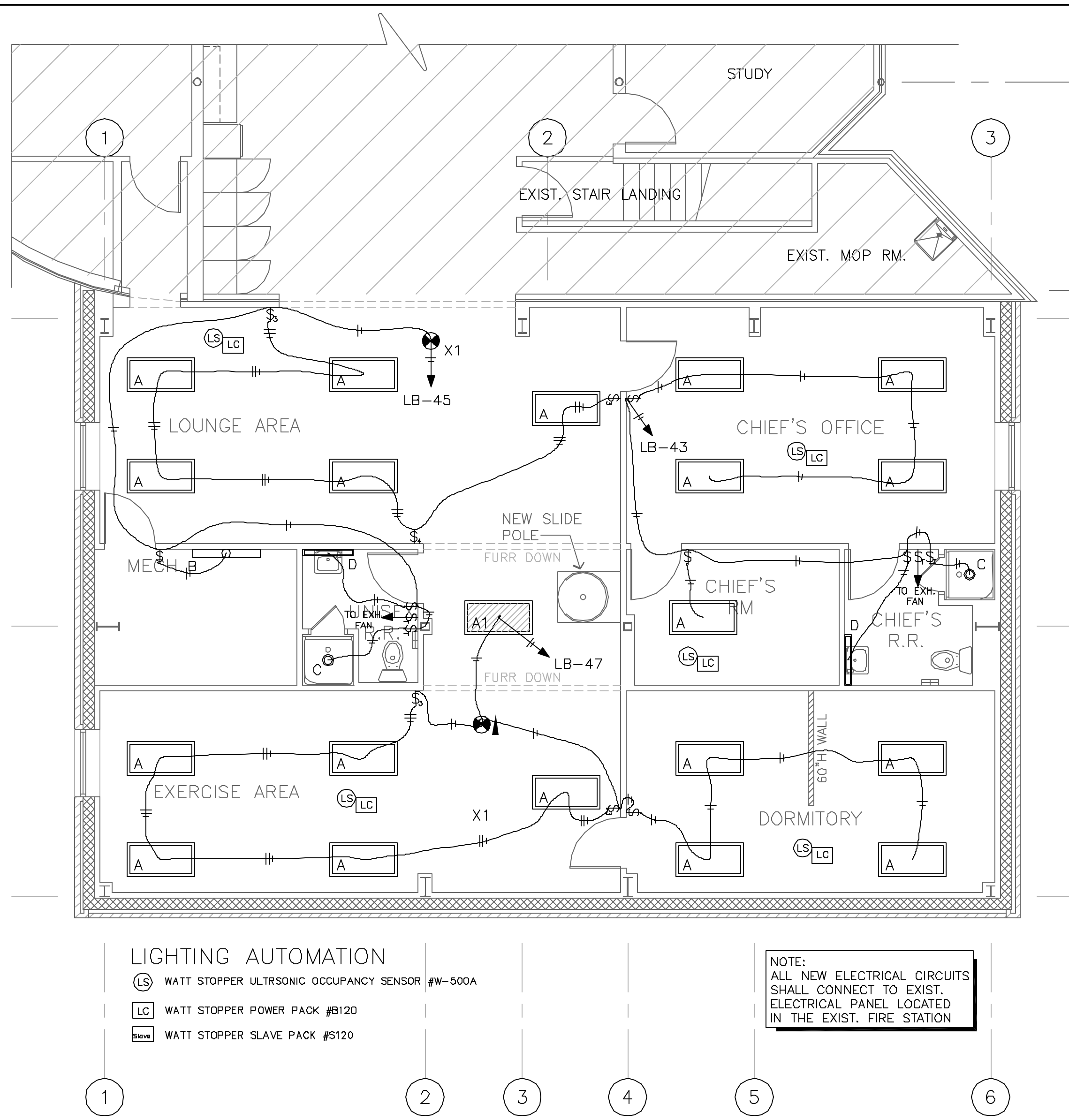


1 1st LEVEL ELECTRICAL LIGHTING PLAN

SCALE: 3/16" = 1'-0"



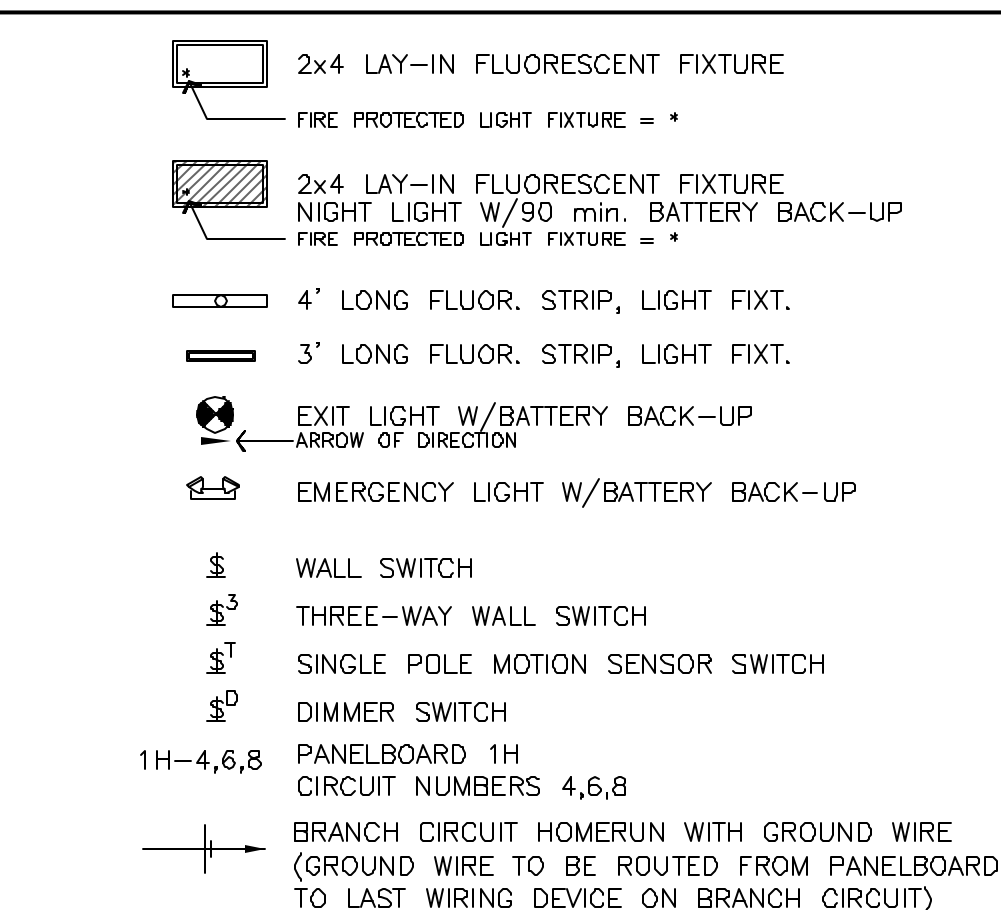
2 2nd LEVEL ELECTRICAL LIGHTING PLAN

SCALE: 3/16" = 1'-0"

- ELECTRICAL WORK IS TO COMPLY WITH THE MOST RECENTLY REVISED VERSIONS OF ALL APPLICABLE, RULES, REGULATIONS, AND ORDINANCES OF LOCAL AND STATE CODE, AND THE NATIONAL ELECTRICAL CODE (2005 NEC).
- THE SCOPE OF ELECTRICAL WORK INCLUDES THE FURNISHING AND INSTALLATION OF ALL ELECTRICAL WORK NECESSARY FOR A COMPLETE INSTALLATION OF ALL ITEMS SHOWN ON ARCHITECTURAL, CIVIL/UTILITIES, MECHANICAL, ELECTRICAL, AND/OR PLUMBING DRAWINGS.
- ELECTRICAL PLAN DRAWINGS ARE FOR LIGHT FIXTURE AND OUTLET CIRCUITING INFORMATION ONLY. REFER TO OTHER DRAWINGS FOR NOTES, MOUNTING DETAILS AND EXACT LOCATIONS.
- ELECTRICAL CONTRACTOR IS TO COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR EXACT EQUIPMENT LOCATION SUCH AS, AIR HANDLING UNITS, COMPRESSORS, EXHAUST FANS, WATER HEATERS, EMERGENCY SHOWERS, PUMPS ETC.
- ALL EXTERIOR ELECTRICAL EQUIPMENT TO BE PAINTED TO MATCH EXTERIOR WALL FINISHES. CONTRACTOR SHALL SUBMIT AND VERIFY COLOR(S) WITH ARCHITECT.
- UNDERGROUND CONDUITS SHALL BE GALVANIZED EMT OR SCH-40 PVC.
- ALL CONDUITS ABOVE GROUND SHALL BE GALVANIZED EMT OR RIGID GALVANIZED STEEL (RGS). MINIMUM SIZE FOR CONDUIT TO BE 1/2".
- WIRES SMALLER THAN #12 ARE NOT ACCEPTABLE. THEY MAY BE USED FOR CONTROL CIRCUITS ONLY.
- VERIFY ELECTRICAL REQUIREMENTS (IF ANY) FOR ANY SPECIAL EQUIPMENT OR KITCHEN APPLIANCE PRIOR TO ANY WORK PERFORMED. PROVIDE ISOLATED GROUND WIRE AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- ALL RECEPTACLES AND TELEPHONE OUTLETS, TO BE MOUNTED 18" ABOVE FLOOR LEVEL, EXCEPT WHERE OTHERWISE NOTED OR AREAS NOTED WITH CABINETS.
- PROVIDE 1/2" C WITH PULL STRING, STUBBED UP 6" PASS TOP OF WALL TYPICAL FOR EACH TELEPHONE AND DATA/COMMUNICATIONS OUTLET.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR STARTERS UNLESS OTHERWISE NOTED ON DRAWINGS. (COORDINATE WITH MECHANICAL CONTRACTOR FOR POWER REQUIREMENTS.)
- ALL LIGHT FIXTURES IN MECHANICAL AREAS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING EQUIPMENT TO AVOID CONFLICTS. LOCATE LIGHT FIXTURES ON PERIMETER WALLS OF MECHANICAL AREAS WHERE PRACTICAL.
- EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
- NO MORE THAN THREE SINGLE-PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. THEIR CURRENT CARRYING CAPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.

3 ELECTRICAL GENERAL NOTES

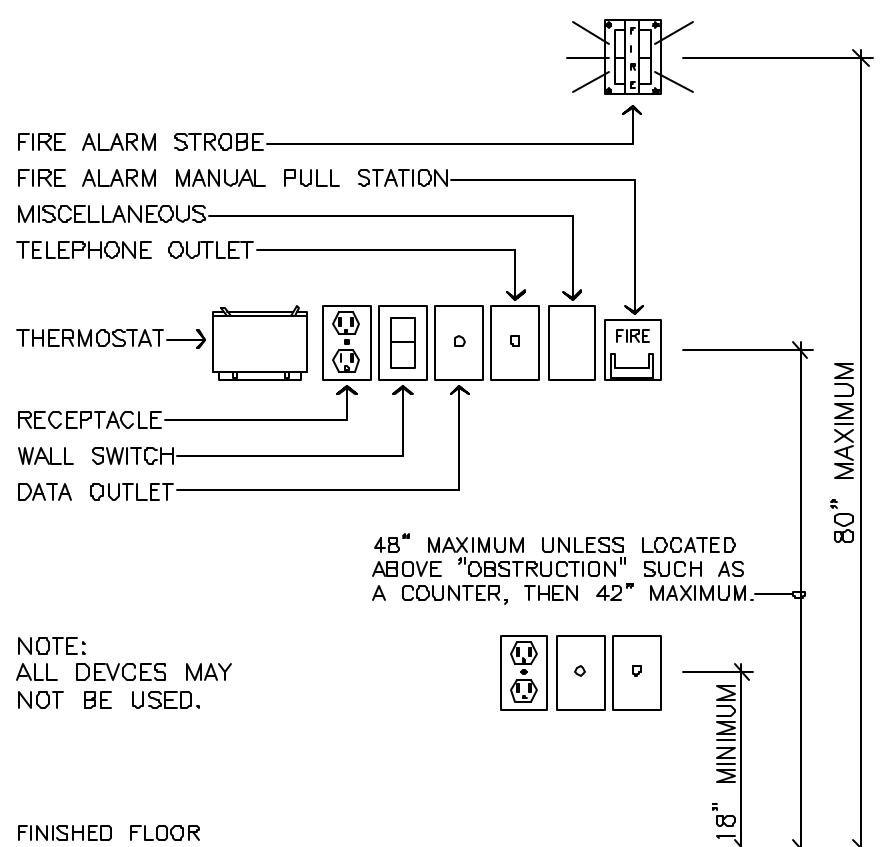
- SEPARATE NEUTRALS SHALL BE RUN WITH EACH COMPUTER CIRCUIT WHEN GROUPED IN THE SAME CONDUIT, NEUTRALS FOR COMPUTERS OR HIGH HARMONIC LOADS OR CURRENT CARRYING CONDUCTORS.
- VERIFY MOUNTING HEIGHTS OF RECEPTACLES WITH CABINET ELEVATIONS FOR LOCATION AND COORDINATION OF ELECTRICAL OUTLETS. AT KNEESPACE LOCATIONS, LOCATE ELECTRICAL OUTLETS WITHIN KNEESPACE, LOCATE OUTLETS HORIZONTALLY 6" ABOVE BACK SPLASH, UNLESS NOTED OTHERWISE.
- ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE. USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.
- REFER TO MECHANICAL DRAWINGS FOR FAN SCHEDULE.
- CENTER ALL EXIT SIGNS OVER DOORS.
- PROVIDE DUCT MOUNTED SMOKE DETECTORS IN SUPPLY DUCTS OF ALL AIR HANDLERS.



4 ELECTRICAL LEGEND ALL SYMBOLS MAY NOT BE USED

TYPE	DESCRIPTION	MFR	MODEL No.	LAMP	REMARKS
A	2x4 LAY-IN	COLUMBIA	4PS24-232G-FS-A12-EU	2F32	
A1	2x4 LAY-IN	COLUMBIA	4PS24-232G-FS-A12-EU	2F32	BATTERY BACK-UP (NIGHT LIGHT)
B	4' STRIPLITE	HUBBELL	CSR4232BLANKEU	2F32	
B1	4' STRIPLITE	HUBBELL	CSR4232BLANKEU	2F32	BATTERY BACK-UP (NIGHT LIGHT)
C	5"DIA. DROP SHOWER LIGHT	LIGHTOLIER	1021-1004F26	50W	UL LISTED FOR WET LOCATIONS
D	3' STRIPLITE WALL MTD.	COLUMBIA	SA3-225-EU	2F32	
E	WALL PACK	EXCELINE	GXSW-42-HFL-L-***-1	42W	w/410W BAFFLE
X1	EXIT LIGHT	HIGH-LITES	BP-PLED5-R-DEH		

5 LIGHTING FIXTURE SCHEDULE



6 A.D.A. DEVICE MOUNTING HEIGHTS SCALE: N.T.S.